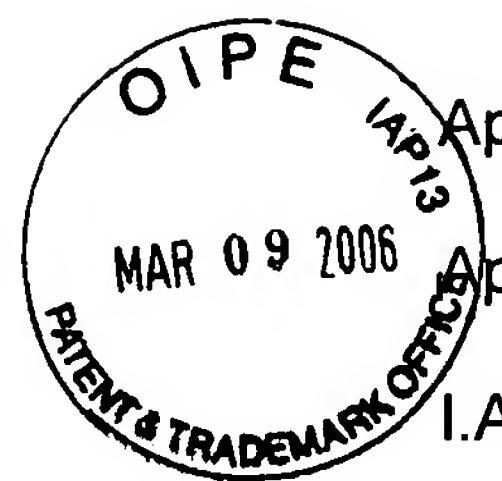


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants : Shintaro KOBAYASHI et al. Group Art Unit : Not Yet Assigned
Appl. No. : 10/560,077 (U.S. National Stage of PCT/JP2004/008364)
I.A. Filed : June 9, 2004 Examiner : Not Yet Assigned
For : ADSORBENT, ADSORPTION APPARATUS, AND METHOD FOR
MANUFACTURING THE ADSORPTION APPARATUS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the above-identified application, which includes information cited and discussed in the specification and the International Search Report issued in connection with International Patent Application No. PCT/JP2004/008364, of which the present application is the U.S. National Stage Application. A copy of the International Search Report was enclosed with the papers when entering the U.S. National Stage on December 9, 2005. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

The following is a list of the documents cited in the above-noted documents:

- (1) JP 10-118167, together with an English language abstract of the same;
- (2) JP 07-096175, together with an English language abstract of the same;
- (3) JP 03-016906, together with an English language abstract of the same;
- (4) JP 02-237639, together with an English language abstract of the same;
- (5) JP 01-297553, together with an English language abstract of the same; and
- (6) JP 01-155263, together with an English language abstract of the same, as well as patent family member EP 0 320 849 B1;

Applicants wish to further bring to the Examiner's attention the following documents:

- (7) JP 09-175805, together with an English language abstract of the same;
- (8) U.S. Patent No. 4,781,904, to Tagaya et al. Applicants note that this document is cited on page 2 of the specification of the present application;
- (9) ANDERSSON et al., "Isolation of Phosphoproteins by Immobilized Metal (Fe^{3+}) Affinity Chromatography," *Analytical Biochemistry*, Vol. 154, pp. 250-254 (1986); and
- (10) NORDSTROM et al., "Generation of a new protein purification matrix by loading ceramic hydroxyapatite with metal ions – demonstration with poly-histidine tagged green fluorescent protein," *Journal of Biotechnology*, Vol. 69, pp. 125-133 (1999).

Further to 37 C.F.R. §1.98, a copy of the U.S. patent is not enclosed herewith. However, if a copy is needed, the Examiner is respectfully requested to contact the undersigned.

Further to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. §1.98 (a)(2)(iii) if the U.S. patent application was filed after June 30, 2003, a copy of the U.S. patent application is not enclosed herewith. However, if a copy is needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents are attached hereto and all of the above-noted documents are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

In accordance with 37 C.F.R. § 1.97, this Information Disclosure Statement is filed within three months of the filing date of the application. Accordingly, no fees are required.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Shintaro KOBAYASHI et al.



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FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Doc. No. P28961	Application No. 10/560,077		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use several sheets if necessary)</small>		Applicant Shintao KOBAYASHI et al.					
		Filing Date June 9, 2004		Group Not yet assigned			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 7 8 1 9 0 4	11/01/88	TAGAYA et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
10		- 1 1 8 1 6 7	05/12/98	JAPAN			
07		- 0 9 6 1 7 5	04/11/95	JAPAN			
03		- 0 1 6 9 0 6	01/24/91	JAPAN			
02		- 2 3 7 6 3 9	09/20/90	JAPAN			
01		- 2 9 7 5 5 3	11/30/89	JAPAN			
01		- 1 5 5 2 6 3	06/19/89	JAPAN			
		0 3 2 0 8 4 9	06/21/89	E.P.O			
09		- 1 7 5 8 0 5	07/08/97	JAPAN			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
1	English language Abstract of JP 10-118167.						
2	English language Abstract of JP 07-096175.						
3	English language Abstract of JP 03-016906.						
4	English language Abstract of JP 02-237639.						
5	English language Abstract of JP 01-297553.						
6	English language Abstract of JP 01-155263.						
7	English language Abstract of JP 09-175805.						
8	ANDERSSON et al., "Isolation of Phosphoproteins by Immobilized Metal (Fe ³⁺) Affinity Chromatography," Analytical Biochemistry, Vol. 154, pp. 250-254 (1986)						
9	NORDSTROM et al., "Generation of a new protein purification matrix by loading ceramic hydroxyapatite with metal ions – demonstration with poly-histidine tagged green fluorescent protein," Journal of Biotechnology, Vol. 69, pp. 125-133 (1999).						
EXAMINER			DATE CONSIDERED				
<small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							